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# Management Services Subsystem

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**Release A SDPS/CSMS Critical Design Review  
17 August 1995**

# Roadmap

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- **Management Services Subsystem Context/Overview**
- **Performance Management**
- **Fault Management**
- **Trouble Ticketing**
- **Accountability and Security Management**
- **Configuration Management**

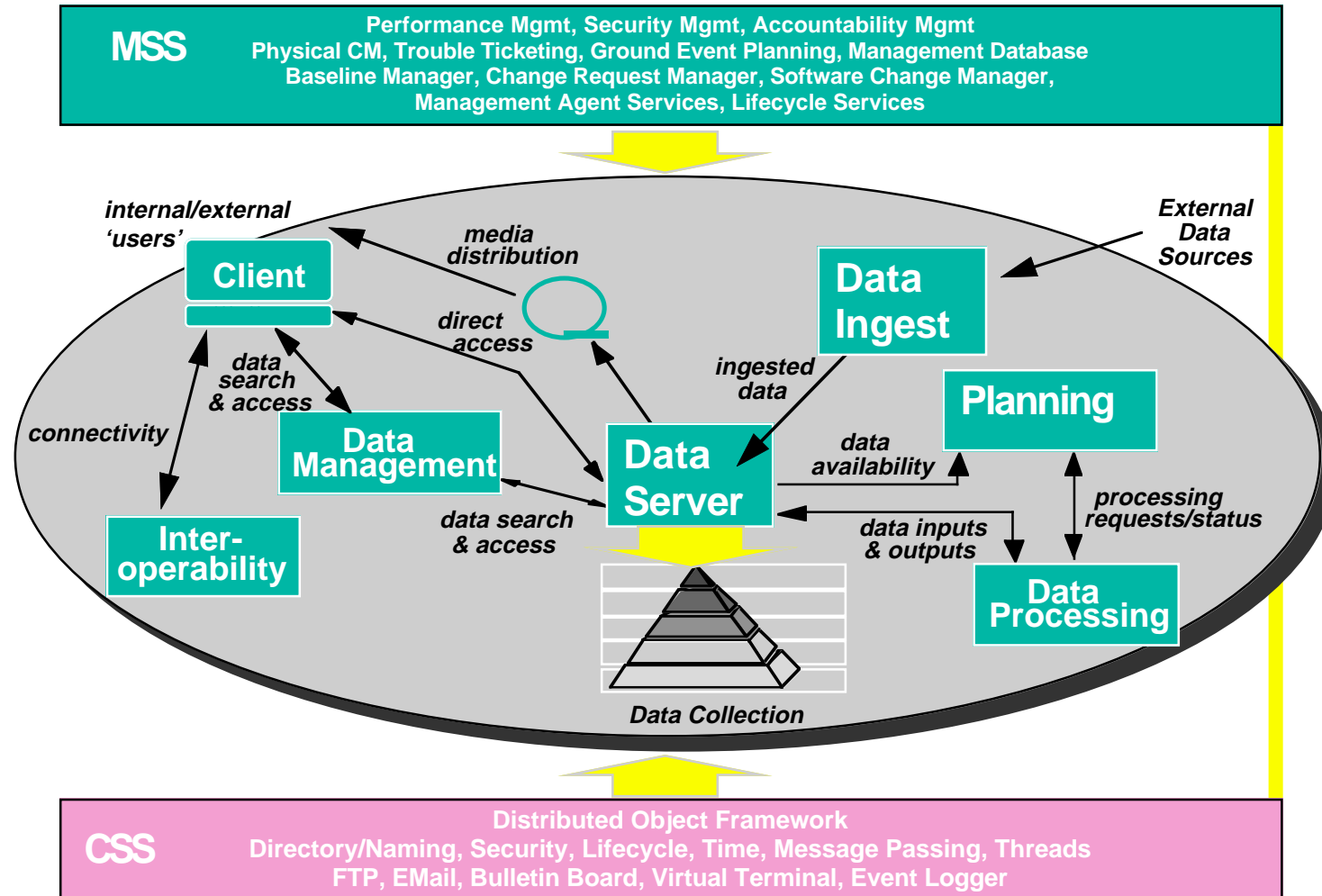
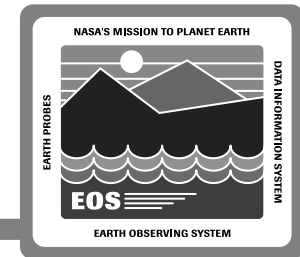
# MSS Overview



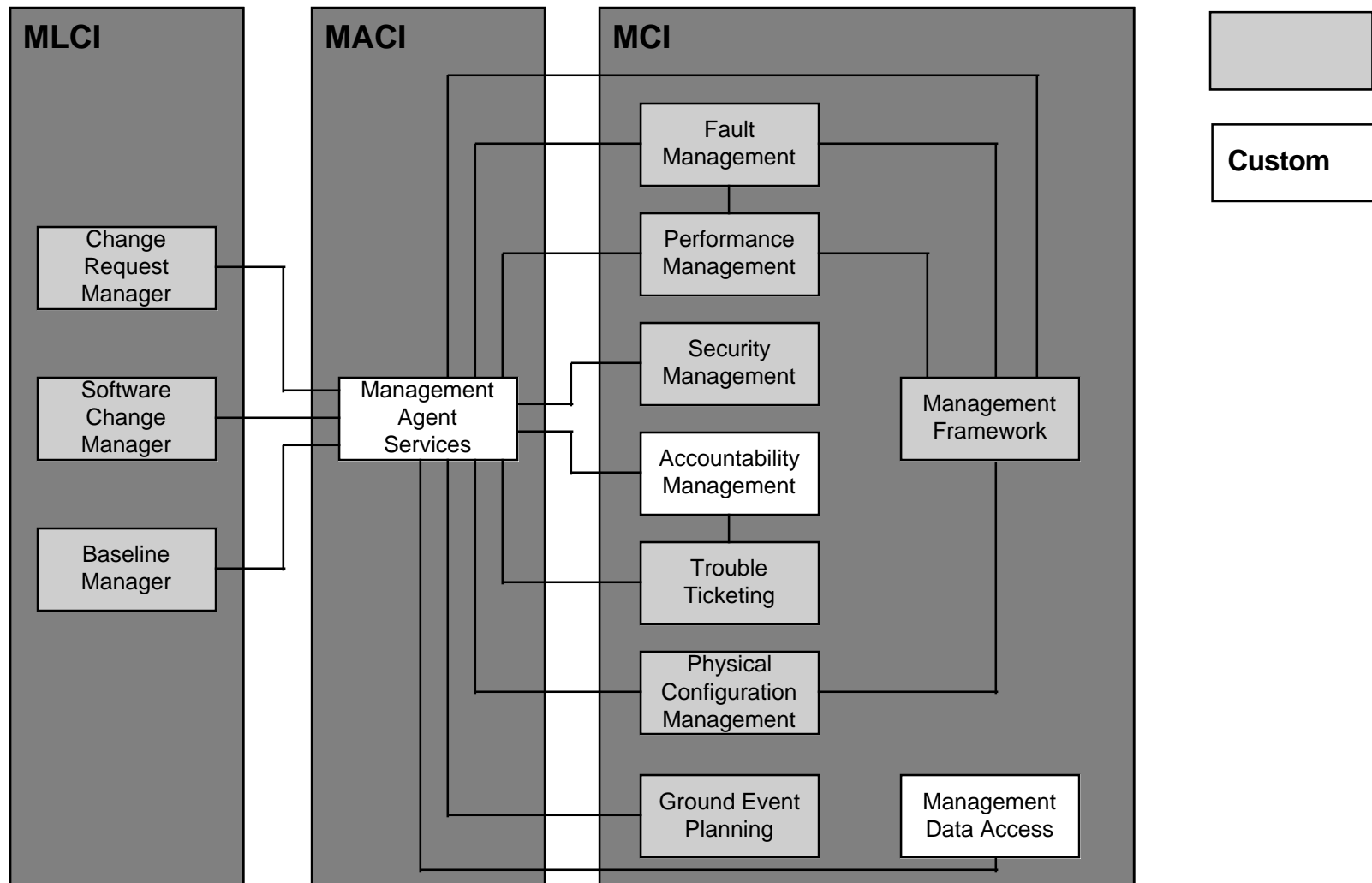
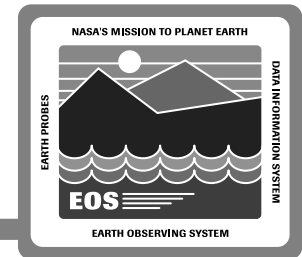
**MSS provides both the infrastructure and applications to support management of the ECS enterprise**

- **Infrastructure:**
  - **Based on industry and consortia standards**
  - **Simple yet robust management solution**
  - **Common management protocol for both hardware and software**
  - **MSS public classes insulate ECS applications from changes in underlying management protocol**
- **Management Applications:**
  - **Primarily COTS**
  - **Integrated with HP OpenView (Management Framework)**
  - **Support Network, system, and service level management**
  - **Configurable and extensible**

# Release A Subsystem Context



# Release A MSS Context



# Managed Object Definition



**What is a “Managed Object” ?**

- In ECS context a managed object is an entity about which information is collected and whose operational status is controlled by MSS Services.

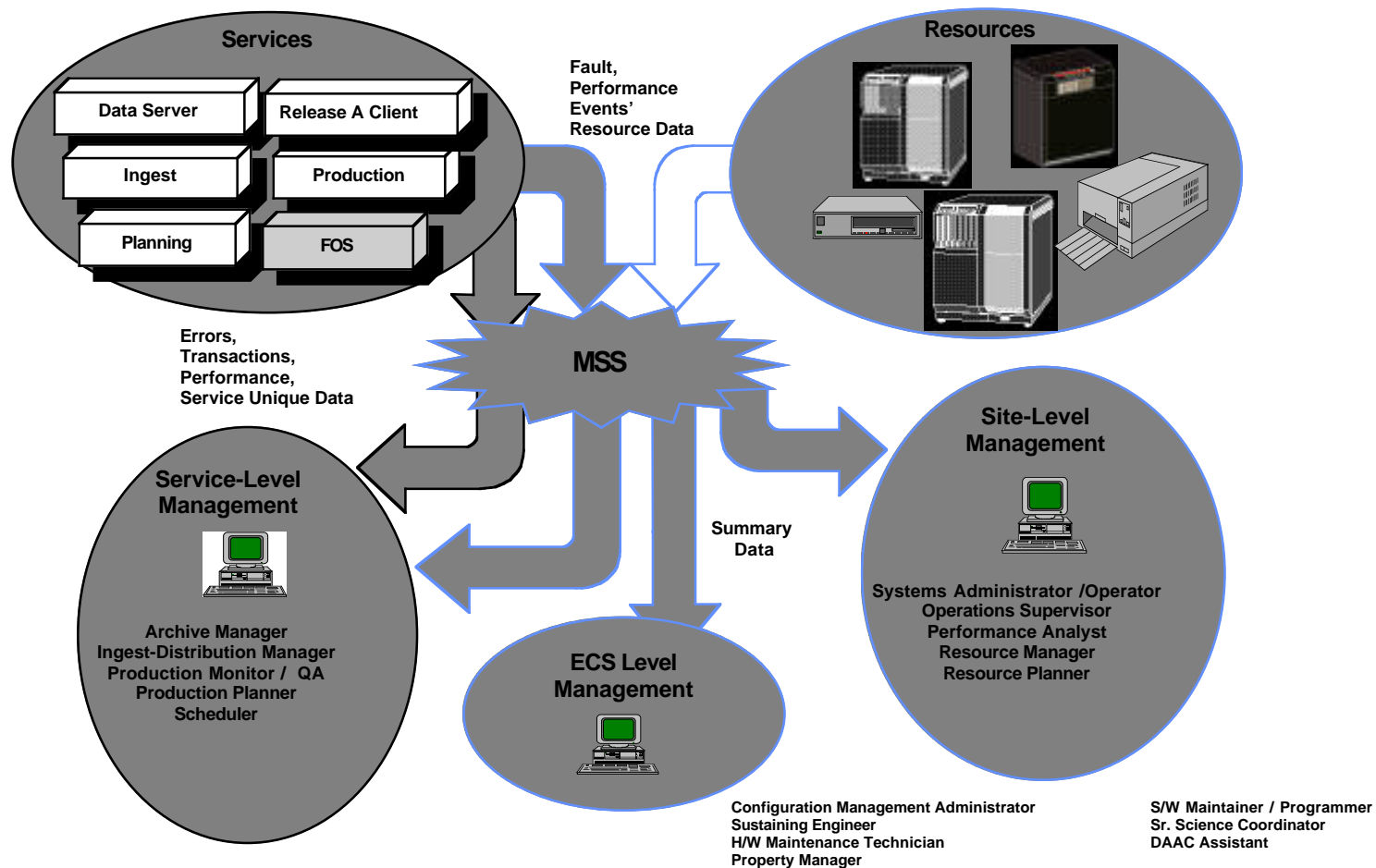
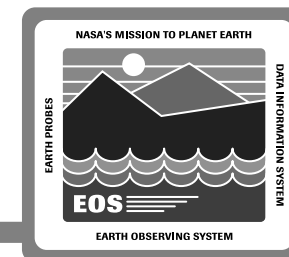
**Managed objects can be a collection of objects:**

- Data Server Subsystem
- Network
- RDBMS
- File System

**Or individual objects:**

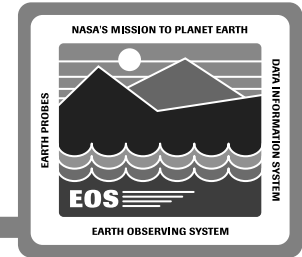
- CPU
- Process
- Queue

# Management Information Flow



# ECS Management Roles

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- **Service/Subsystem Level Management**
  - **Monitor Service level performance**
  - **Manage Subsystem functions**
  - **Manage Subsystem tasks and processes**
  - **Coordinate with peer services**



# ECS Management Roles (cont.)

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- **Site Level Management (Local Systems Management)**
  - Monitor and manage site resources
  - Perform system administration functions
  - Maintain ECS user information
  - Maintain site software and hardware configuration
  - Coordinate system maintenance activities
  - Record and track problem reports through resolution
  - Provide summary management data to SMC
  - Inter-site coordination

# ECS Management Roles (cont.)

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- **ECS Level (ECS Enterprise) Management (SMC)**
  - **ECS-Wide mission planning and policy administration**
  - **Service level performance monitoring across sites**
  - **“Roll-Up” of site level performance**
  - **Wide Area Network (WAN) Monitoring**
  - **Information exchange with external systems**
  - **Trend analysis of fault and performance**

# Detailed Presentations

